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(54) **Hair care products comprising an alpha-hydroxy acid and a silicone elastomer**

(57) A hair care products to be washed away after using which contain  $\alpha$ -hydroxycarboxylic acids and water-insoluble silicone elastomer powders.

These hair care products impart softness and smoothness to the moist hair and, after drying, make the hair soft, moist and well styled while keeping smooth or oil-free feel and exerting long-lasting conditioning effects thereon.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 1068

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 240 350 A (PROCTER & GAMBLE) 7 October 1987 * page 9; example 1 * * page 13; example 6 *	1-9	A61K7/06
A	PATENT ABSTRACTS OF JAPAN vol. 095, no. 001, 28 February 1995 & JP 06 298625 A (KAO CORP), 25 October 1994 * abstract *	1-3,8,9	
A	EP 0 240 349 A (PROCTER & GAMBLE) 7 October 1987 * examples *	1,4-7	
A	EP 0 435 483 A (UNILEVER PLC ET AL.) 3 July 1991 * abstract * * page 3, line 3 - line 6 * * examples *	1-3	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A61K
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 15 March 1999	Examiner Pelli Wablat, B
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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15-03-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0240350    A	07-10-1987	AU    605144 B	10-01-1991
		AU    7105787 A	08-10-1987
		CA    1285492 A	02-07-1991
		DE    3751369 D	03-08-1995
		DE    3751369 T	29-02-1996
		GB    2188655 A	07-10-1987
		JP    7029906 B	05-04-1995
		JP    63022010 A	29-01-1988
		MX    166507 B	13-01-1993
		US    4902499 A	20-02-1990
EP 0240349    A	07-10-1987	US    4764363 A	16-08-1988
		AU    612567 B	18-07-1991
		AU    7103987 A	08-10-1987
		CA    1297793 A	24-03-1992
		GB    2188644 A	07-10-1987
		JP    63002918 A	07-01-1988
		MX    166547 B	18-01-1988
EP 0435483    A	03-07-1991	AT    113201 T	15-11-1994
		CA    2031285 A	08-06-1991
		DE    69013659 D	01-12-1994
		DE    69013659 T	23-03-1995
		DK    435483 T	27-02-1995
		ES    2063933 T	16-01-1995
		JP    4159204 A	02-06-1992

EPO FORM P0459

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